

Meeting: 1004, Bowling Green, Kentucky, SS 3A, Special Session on Dynamic Equations on Time Scales and Applications

1004-39-195 **John Davis** and **Billy Jackson*** (b_jackson@baylor.edu). *An Operational Calculus for Discrete Time Scales.*

We present an analogue of the well known operator calculus for the classical time scale of the integers for arbitrary discrete time scales. We then proceed to demonstrate the use of the calculus by looking at ordinary time scale difference equations. Time permitting, we may present some of the corresponding results for the bivariate case and examine partial difference equations on discrete time scales. (Received January 24, 2005)